

INTERNATIONAL SEARCH REPORT

Internatio... lication No

PCT/IL.../04154

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03J7/22 H03J7/06 H03J1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03J H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 552 838 A (SUIZU KATSUTO) 3 September 1996 (1996-09-03) figure 8	1-10
A	US 6 421 099 B1 (OH JI-SUNG) 16 July 2002 (2002-07-16) column 5, line 13 - line 16; figure 3	1-10
A	US 5 034 819 A (TSUKAGOSHI MASAHIKO) 23 July 1991 (1991-07-23) figure 1	1-10
A	US 5 650 830 A (LEE DONG HA) 22 July 1997 (1997-07-22) column 4, line 26 - line 45	1-10

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

12 December 2003

Date of mailing of the international search report

19/12/2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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			JP	8056315 A		27-02-1996
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US 5034819	A	23-07-1991	JP	2795906 B2		10-09-1998
			JP	3023707 A		31-01-1991
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			JP	2909952 B2		23-06-1999
			JP	8008693 A		12-01-1996